



Missouri  
Department of  
Natural Resources

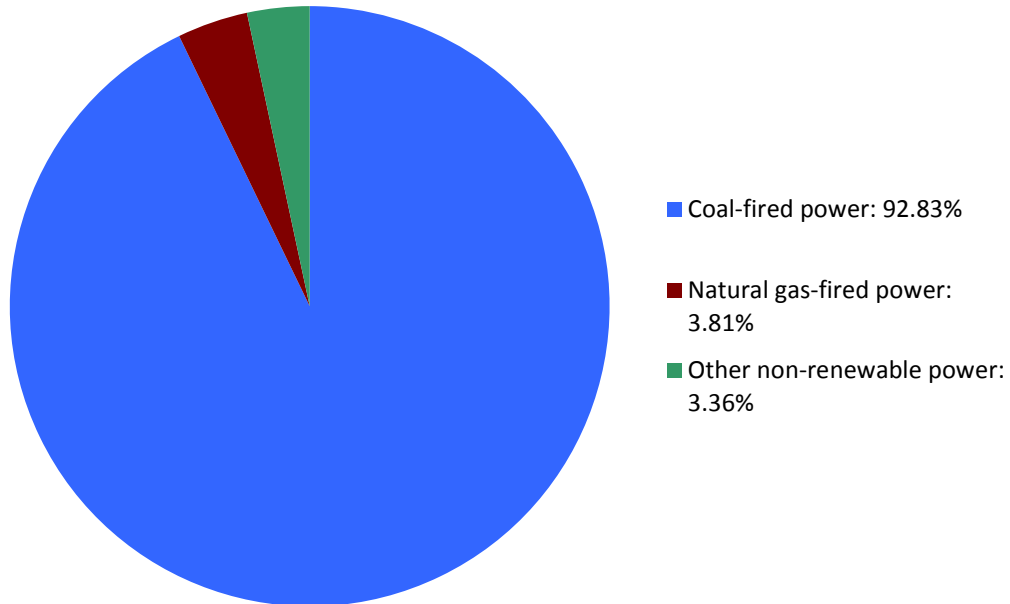
University of Missouri-Columbia  
Utility-Owned Electric Generation and Emissions in 2009

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated in 2009 (MWh)	Percent of Total	
Non-renewable sources						
Coal-fired power	3,009,681	93.44%		97,174	93.20%	
Natural gas-fired power	102,005	3.17%		3,990	3.83%	
Oil-fired power	0			-414	-0.40%	
Nuclear power						
Other non-renewable power	109,245	3.39%		3,515	3.37%	
Non-renewable total	3,220,931	100.00%	100.00%	104,264	100.00%	100.00%
Renewable sources						
Hydroelectric Power						
Wind						
Waste and biomass						
Solar						
Geothermal						
Landfill Gas						
Renewable total	0	0.00%	0.00%	0	0.00%	0.00%
Grand total all sources	3,220,931		100.00%	104,264		100.00%

Fuel Type	Physical Units	Number of Units
<b>Bituminous Coal</b>	Short Tons	131,319
<b>Natural Gas</b>	Mcf	102,005
<b>Distillate Fuel Oil</b>	Barrels	0
<b>Tire-Derived Fuel</b>	Short Tons	3,726



### Net Generation by Fuel Type, 2009 for University of Missouri-Columbia





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**Emissions from Electricity Generated in 2009: University of Missouri-Columbia**

Plant	Carbon Dioxide (CO <sub>2</sub> ) (Tons)	Carbon Monoxide (CO) (Tons)	Ammonia (NH <sub>3</sub> ) (Tons)	Nitrogen Oxides (NO <sub>x</sub> ) (Tons)	Sulfur Dioxides (SO <sub>2</sub> ) (Tons)
<b>University of Missouri- Columbia</b>	19,822.30	252.44	4.89	631.16	7,469.53
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Plant	Volatile Organic Compounds (VOC) (Tons)	Course Particulate Matter (PM <sub>10</sub> Total) (Tons)	Fine Particulate Matter (PM <sub>2.5</sub> Total) (Tons)	Mercury (Hg) (LBS)
<b>University of Missouri- Columbia</b>	5.08	80.07	80.07	NV

'NV' = Emissions value not available.

Note: The data provided includes only generation and emissions from power plants owned by the utility. It does not include generation or emissions from power purchased by the utility and distributed to its customers.



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**Pollution controls installed on plants operated by University of Missouri-Columbia**

<b>SO2 Controls</b>			
Plant	Control Equipment	Sorbent Type	Operational Efficiency
<b>University of Missouri Columbia</b>	No SO2 Controls Installed		

<b>NOX Controls</b>				
Plant	Device Type	Description	Capture Efficiency	Control Efficiency
<b>University of Missouri Columbia</b>	No NOX Controls Installed			



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**Missouri Power plants owned and operated by University of Missouri-Columbia in  
2009**

Plant	County	Primary Fuel	Capacity (MW)	Net Generation (MWh)
<b>University of Missouri Columbia</b>	Boone	Bituminous Coal	91	104,264

**Data Sources**

- Emissions Data: Missouri Department of Natural Resources, Air Pollution Control Program, Missouri Emissions Inventory System (MOEIS)  
<http://www.dnr.mo.gov/env/apcp/moeis/emissionsreporting.htm>
- CO2 Emissions calculated by Missouri Department of Natural Resources, Division of Energy, from EIA Fuel Consumption Data
- Fuel Consumption and Generation Data: United States Energy Information Administration, Form 923, United States Department of Energy  
[http://www.eia.gov/cneaf/electricity/page/eia906\\_920.html](http://www.eia.gov/cneaf/electricity/page/eia906_920.html)